

MONTHLY BULLETIN

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

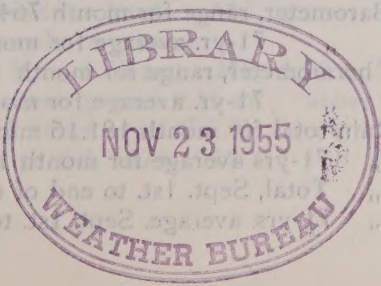
LAT. $33^{\circ} 54' 22''$ N.

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

NOVEMBER 1954

GIORGIO CONTINO, ACTING DIRECTOR

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NOVEMBER 1954

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.0	61.6	62.4	62.0	24.5	18.7	21.3	21.0	19.6	20.6
2	62.9	62.0	61.9	62.3	22.8	18.4	21.1	21.8	19.4	20.8
3	61.1	59.8	60.0	60.3	23.9	17.8	21.2	22.9	20.0	21.4
4	60.4	59.8	61.1	60.4	24.2	18.9	21.7	23.3	20.9	22.0
5	63.4	63.3	64.4	63.7	23.8	19.1	21.2	23.3	21.7	22.1
6	64.8	64.0	64.6	64.5	24.8	19.1	21.4	24.4	21.1	22.3
7	64.1	62.2	62.6	63.0	24.0	19.1	21.3	23.2	20.5	21.7
8	62.5	61.1	62.0	61.9	23.8	18.7	21.2	23.3	21.0	21.8
9	62.0	63.0	63.0	62.7	23.8	18.9	20.7	21.1	20.0	20.6
10	63.8	62.7	63.4	63.3	24.6	19.9	21.1	23.9	21.7	22.2
11	63.1	62.0	62.4	62.5	24.8	20.8	23.0	24.4	23.0	23.5
12	63.2	62.3	63.0	62.8	24.8	20.5	22.5	23.9	22.8	23.1
13	64.1	63.4	63.6	63.7	24.5	19.8	22.2	23.9	21.4	22.5
14	63.9	62.7	63.4	63.3	24.7	19.8	21.8	24.2	20.8	22.3
15	63.0	62.1	62.0	62.4	24.3	21.1	21.8	23.9	21.5	22.4
16	60.6	59.1	60.3	60.0	25.7	21.2	23.8	24.4	21.5	23.2
17	59.7	60.2	60.8	60.2	24.8	17.7	24.2	19.2	17.8	20.4
18	61.8	61.8	63.7	62.4	22.6	18.1	20.5	22.2	18.9	20.5
19	64.9	64.1	64.3	64.4	22.7	19.4	21.2	22.2	20.2	21.2
20	61.1	60.1	60.7	60.6	23.3	14.4	21.9	18.3	18.1	19.4
21	62.4	61.9	62.3	62.2	20.5	13.8	15.6	16.9	16.1	16.2
22	61.9	60.7	60.2	60.9	17.7	13.9	15.8	15.9	15.9	15.9
23	57.8	57.5	58.3	57.9	17.8	11.9	14.6	13.9	12.8	13.8
24	60.7	60.2	61.8	60.9	16.2	11.8	12.8	15.8	14.4	14.3
25	63.6	62.5	62.6	62.9	18.7	15.2	15.1	17.8	16.6	16.5
26	61.7	61.1	61.7	61.5	19.0	15.1	17.4	18.6	17.2	17.7
27	62.2	62.2	63.0	62.5	18.7	14.7	15.8	18.3	15.6	16.6
28	63.3	62.4	62.4	62.7	19.0	16.5	15.8	18.9	16.9	17.2
29	61.4	60.1	61.6	61.0	20.2	13.1	17.8	19.6	13.9	17.1
30	61.4	61.2	62.3	61.9	18.0	12.8	14.1	17.8	15.4	15.8
31										
	62.29	61.57	62.19	62.03	22.27	17.34	19.66	20.94	18.89	19.84

Barometer, range for month 764.9 mm. — 757.5 mm.

„ 71-yr. average for month 762.63 mm.

Thermometer, range for month 25.7°C — 11.8°C

„ 71-yr. average for month 19.85°C

Rain total for month 181.16 mm.

„ 71-yrs average for month 132.61 mm.

„ Total, Sept. 1st. to end of month 210.12

„ 71-yrs. average. Sept. 1st. to end of month 188.82 mm.

NOVEMBER 1954

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	15.4	20.0	16.8	17.4	62	80	76	73	6.1	27.0	7.11
2	18.3	17.8	16.8	17.6	72	70	75	72	3.2	29.0	1.02
3	17.1	16.9	16.9	17.0	68	63	72	68	8.8	34.0	
4	13.9	18.3	17.7	16.6	54	66	72	64	9.4	40.0	
5	18.9	18.9	18.4	18.7	75	67	71	71	7.6	117.0	
6	16.5	18.6	18.9	18.0	67	61	75	58	9.8	0.0	
7	18.3	20.1	18.7	19.0	72	71	77	73	9.4	5.0	
8	16.0	19.5	17.7	17.7	63	69	70	67	8.5	18.0	
9	12.6	17.1	14.7	14.8	53	70	63	62	6.9	169.0	
10	12.2	16.0	16.7	15.0	48	54	63	55	9.3	158.0	
11	16.9	17.4	18.1	17.5	62	56	66	61	8.7	98.0	
12	18.0	17.2	14.6	16.6	66	59	52	59	9.6	108.0	
13	16.8	19.0	20.0	18.6	64	65	80	70	9.7	2.0	
14	12.8	17.8	18.1	16.2	50	61	74	62	8.9	3.0	
15	11.2	17.2	15.5	14.6	44	58	59	54	8.3	35.0	
16	11.5	18.6	17.2	15.8	38	61	65	55	6.1	122.0	0.51
17	13.8	17.9	14.3	15.3	48	80	72	67	1.0	232.0	27.49
18	13.7	18.0	13.4	15.0	56	67	62	62	8.3	164.0	
19	16.5	16.8	16.3	16.5	65	64	70	66	9.5	23.0	
20	13.3	18.2	14.9	15.5	53	86	71	70	1.7	127.0	0.76
21	15.0	15.2	12.1	14.1	86	81	65	77	4.2	89.0	8.64
22	15.0	16.7	14.6	15.4	85	93	79	86	0.0	175.0	13.97
23	12.9	14.4	14.3	13.9	78	92	97	89	0.1	296.0	62.74
24	13.8	12.1	11.0	12.3	95	70	67	77	0.4	332.0	28.19
25	12.0	14.3	13.6	13.3	70	70	73	71	0.2	32.0	5.33
26	12.7	13.3	12.2	12.7	66	64	62	64	3.5	143.0	
27	12.1	13.9	13.0	13.0	69	65	74	69	4.4	11.0	1.27
28	9.2	13.4	11.6	11.4	53	62	62	59	5.9	113.0	
29	11.8	15.6	14.9	14.1	57	70	94	74	1.9	117.0	14.48
30	14.4	14.8	13.0	14.1	91	73	75	80	3.0	233.0	9.65
31											
	14.42	16.83	15.53	15.59	64.3	68.9	71.1	68.2	5.81	101.73	6.04

Height of Barometer above sea level : 33.7 meters.

„ „ Thermometers above ground :

Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.

Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T

71 year averages are for period, 1875-1945

NOVEMBER 1954

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	8ci-st	10ni	7st	8.3	1sw	1se	1w	light	
2	10cu-ni	5ci-st	0	5.0	1sw	1nw	1w	"	Tr. a.m.
3	6ci-st	3cu-st	3cu-st	4.0	1s	1sw	1sw	"	
4	1cu	2cu	8cu-st	3.7	1sw	1w	1se	"	
5	8cu-ci	10ci-st	6st	8.0	1ne	1ne	2ne	"	
6	3ci-st	2cu	0	1.7	1sw	1nw	1nw	light	
7	1cu	2cu	2cu	1.7	1se	1w	1sw	"	
8	3st	10cu-st	9cu-st	7.3	1se	1w	1nw	"	D. a.m.
9	2ci-st	10st	1st	4.3	1se	2n	1e	slight	D., a.m. p.m.
10	7ci-st	0	0	2.3	1se	1n	1ne	light	D. a.m. p.m.
11	6ci-st	1cu-st	10cu-ci	5.7	1se	2ne	1e	light	D., a.m.
12	1st	1st	0	0.7	1se	1n	2ne	"	D., a.m. p.m.
13	0	0	0	0.0	1sw	1n	1e	"	D., a.m.
14	10ci	9ci	0	6.3	1se	1nw	1e	"	D., a.m. p.m.
15	10ci-st	8ci-cu	0	6.0	1se	1ne	1e	"	D., a.m. p.m.
16	10st	3ci-st	9st	7.3	1e	1ne	1se	light	D., a.m.
17	10cu-st	10ni	10cu-ni	10.0	2sw	2ne	1e	"	Th. p.m.
18	4ci-st	4cu-ci	0	2.7	1se	1w	1e	"	W. D. p.m.
19	2st	2cu-ci	1st	1.7	1w	1n	1e	"	D. a.m. p.m.
20	10cu-st	10ni	0	6.7	1se	1w	1se	"	D. a.m.
21	5cu-ni	10ni	0	5.0	1se	1s	1se	light	
22	10ni	10ni	10cu-ni	10.0	1se	1ne	1ne	"	
23	10cu-ni	10ni	10ni	10.0	1se	1s	1s	slight	Th. p.m.
24	10ni	9st-cu	10st	9.7	1e	2sw	1sw	light	
25	10cu-st	10st-ci	10st	10.0	1se	2w	1ne	"	
26	10st	10ci-st	6st	8.7	1e	2ne	1se	light	
27	10st	3cu-st	2st	5.0	2sw	1sw	1sw	"	
28	10ci	10ci	0	6.7	1e	1n	1ne	"	D. p.m.
29	10st	10st	10ni	10.0	1se	2ne	1se	"	D. a.m.
30	10st	9cu-st	8st	9.0	1se	1w	1ne	"	
31									
mean				5.92					

Abbreviations : G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind ; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	4	16	1	7	1	0	0	30
14:30	6	8	0	1	2	3	7	3	0	30
20:30	0	7	8	6	1	4	2	2	0	30
Total	6	16	12	23	4	14	10	5	0	90

Number of days with rain 13, fog 0, thunderstorms 2, gale. 0

71 yr. av. number of days with rain during month 9.4